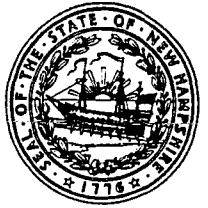




State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-3406 FAX (603) 271-7894



Winsunvale Shores Home Owners Association  
C/o Judy Burrows  
12 Phippen Lane  
Pittsfield, NH 03263

December 31, 2001  
**Letter of Deficiency**  
DAM #195.07

RE: Whites Pond Dam, Pittsfield

Dear Ms. Burrows:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on June 16, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

1. The outlet structure cannot pass the 100-year design storm event with one foot of freeboard. This deficiency was also noted in the 1978 ACOE report;
2. The masonry walls of the spillway were leaking in several places. This item was noted in the May 8, 1997 Letter of Deficiency (LOD);
3. There is a sinkhole along the southern exterior corner of the spillway channel. The sinkhole has formed in the pavement along the northern shoulder of Route 107. The sinkhole appears to be a result of highway runoff and possible water movement through the masonry spillway walls;
4. The emergency action plan (EAP) needs to be tested; and
5. The operation and maintenance plan needs to be updated.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**February 5, 2002:**

1. Update the operation and maintenance plan (O&M). Verify contact names and numbers. The outdated plan and guidelines have been enclosed for your reference;
2. Include in the O&M plan a discussion of high water operations since the dam does not have adequate discharge capacity to pass the 100-year storm event without operations. This discussion should include the use of sandbags to be used along Route 107 in the event of a flood event since road overtopping is predicted. A stockpile of sand bags and sand supply should be maintained and made easily accessible. Include a sketch of the spillway, labeled with the measurements noted in the plan;
3. Perform a test of the EAP. Please contact this office and speak to Bethann McCarthy if you need assistance;

Letter of Deficiency  
Dam #195.07  
December 31, 2001  
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**November 1, 2002:**


4. Schedule a deep drawdown of the impoundment to inspect the upstream face of the dam to check for sources of leakage through the masonry walls of the dam. Repairs to the right end of the dam, similar to the work performed in 1996 on the left end, may be necessary to reduce leakage. This item was noted in the May 8, 1997 LOD; and
5. Investigate the source of sinkhole development along the southern exterior corner of the spillway channel. Coordinate repairs with the NH Department of Transportation (NHDOT).

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,



Grace E. Levergood, P.E.  
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB13

cc: Gretchen Rule

Town of Pittsfield

Certified # 7099 3400 0002 9772 9035

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State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

64 No. Main Street, P.O. Box 2008, Concord, NH 03302-2008

(603) 271-3406 FAX (603) 271-7894



May 8, 1997  
DAM # 195.07

Winsunvale Shores Homeowners Assoc.  
C/O Bob Elliott  
PO Box 315  
Pittsfield, NH 03263

RE: White's Pond Dam, Pittsfield - LETTER OF DEFICIENCY

Dear Mr. Elliott: *Bob*

On April 14, 1997, the Department of Environmental Services (DES) conducted an inspection of the subject dam. This inspection was conducted in accordance with RSA 482:12 and Env-Wr 502.02. During the inspection the following visual deficiencies were observed:

1. There is no maintenance and operations plan in the file;
2. Wood brace supporting the flashboards;
3. Leakage into the left upstream embankment where the new riprap placement ends;
4. Seepage out of the stone training walls immediately downstream of the spillway; and
5. Uneven placement of riprap.

DES believes that the above deficiencies can be corrected by:

By July 1, 1997:

1. Provide addition earthen material along the upstream side of the left embankment and grade it evenly to cover all exposed voids in the stone face. Place a riprap layer along the regraded section to prevent soil erosion.

The DES is requesting that you submit a schedule for our review and approval within 14 calendar days that will provide for correction of the identified deficiencies by the dates indicated above. If we do not receive a schedule, we will consider issuing an Administrative Order requiring the deficiencies to be corrected.

In our January 14, 1997 Letter of Deficiency (LOD), you were required to submit a maintenance and operations plan of this dam to DES by March 1, 1997. To date, we have not receive such a plan. Enclosed is another sample guideline. If you have any questions, please contact this office immediately to discuss the development of this plan.

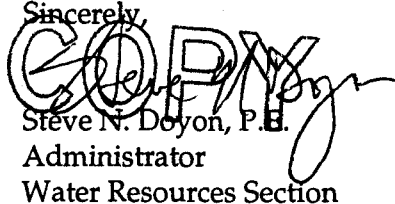
Letter of Deficiency  
Dam #195.07  
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We believe that the noted deficiencies warrant attention to ensure the continuing safe operation of your dam. We are available to assist you in any way that we can to correct the deficiencies promptly and effectively.

Please be aware that you are also required to submit an Emergency Action Plan (EAP) by September 1, 1997. Please provide us with an update as to the status of the EAP along with the maintenance and operations plan requested above. I encourage you to contact our staff engineer Jimmy Leung to discuss the EAP.

If you have any questions or comments regarding this Letter of Deficiency, please contact Jimmy M. Leung or me at 271-3406, or write to the Water Division at the address listed on the top of the previous page. Our normal business hours are from 8:00 a.m. to 4:00 p.m., Monday through Friday.

Sincerely,

  
Steve N. Doyon, P.E.  
Administrator  
Water Resources Section

cc: Gretchen Rule  
Town of Pittsfield  
SND/JML/was/f:/safety/lod/195-07.lod